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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,365	02/09/2004	Mutsumi Suzuki	HITA.0512	9456
7590	05/30/2007		EXAMINER	
Stanley P. Fisher Reed Smith LLP Suite 1400 3110 Fairview Park Drive Falls Church, VA 22042-4503			NGUYEN, JENNIFER T	
			ART UNIT	PAPER NUMBER
			2629	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/773,365	SUZUKI ET AL.
Examiner	Art Unit	
Jennifer T. Nguyen	2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 28 February 2007.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-4 and 6-25 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-4, 6-8, 10, 13, 14, 16, 19-21 and 23-25 is/are rejected.

7) Claim(s) 9, 11, 12, 15, 17, 18 and 22 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date. ____ .
3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____ . 5) Notice of Informal Patent Application
6) Other: ____ .

DETAILED ACTION

1. This Office action is responsive to amendment filed on 02/28/07.
2. The indicated allowability of claims is withdrawn in view of the newly discovered reference(s) to Suzuki et al. (Patent No.: US 6,873,309). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-4, 6-8, 10, 13-14, 16, 19-21, and 23-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Suzuki et al. (Patent No.: US 6,873,309).

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention “by another,” or by an appropriate showing under 37 CFR 1.131.

Regarding claims 1, 4, 7 and 13, Suzuki teaches a display apparatus (figs. 28-29) having plural luminance modulation elements (i.e., organic electroluminescence) that modulate

luminance upon application of a voltage of positive polarity and do not modulate luminance upon application of a voltage of reverse polarity, each of the luminance modulation elements comprising a combination of an emission element and a phosphor (col. 21, lines 46-67);

plural scanning electrodes (810) parallel with each other and plural data electrodes (811) parallel with each other, in which each of the luminance modulation elements is disposed at an intersection between the scanning electrode and the data electrode; and

first driving means (41) connected to the plural scanning electrodes and outputting scanning pulses, and second driving means (42) connected to the plural data electrodes, wherein, at a certain time point (col. 22, lines 12-18),

the scanning electrodes are grouped into those in a selected state applied with a scanning pulse and those other than described above in a non-selected state (fig. 30),

the number of the scanning lines in the selected state is n_1 (col. 22, lines 19-22),

the scanning lines in the non-selected state are grouped into non-selected state scanning lines at a high impedance state and non-selected state scanning lines at a low impedance state, the non-selected state scanning lines at the high impedance state are at a higher impedance state than the scanning lines in the selected state, and the non-selected state scanning lines at the low impedance state is in a lower impedance state than the non-selected state scanning lines at the high impedance state (col. 22, lines 33-37); and

the number of the non-selected state scanning lines at the low impedance state is $n_1 \times 2$ or more (figs. 30-31, col. 22, lines 33-37).

Regarding claims 2 and 24, Suzuki teaches the number of the non-selected state scanning lines at the low impedance state is 10% or less for the number of the scanning electrodes (fig. 30, col. 22, lines 33-37).

Regarding claims 3 and 25, Suzuki teaches the impedance of the non-selected state scanning line at the high impedance state is 1 M omega or higher (col. 18, lines 11-24).

Regarding claims 6 and 23, Suzuki teaches the electron emission element comprises a thin film electron emitter having an top electrode, an electron acceleration layer, and a base electrode (col. 12, lines 16-32).

Regarding claims 8 and 14, Suzuki teaches the image display operation is conducted by a line sequential scanning operation (fig. 30).

Regarding claims 10 and 16, Suzuki teaches the first driving means has a means of providing a low impedance state when the potential on the scanning electrode in the non-selected states is going to exceed a predetermined voltage range and retaining the potential on the scanning electrodes within the predetermined voltage range (col. 22, lines 19-37).

Regarding claims 19 and 20, Suzuki teaches the scanning electrode is formed on the side nearer to vacuum than the data electrode (col. 12, lines 9-63).

Regarding claim 21, Suzuki teaches some of the scanning electrodes are in contact with a spacer, and the scanning electrodes in contact with the spacer are set to the low impedance state during the display operation (col. 22, lines 19-37).

5. Claims 9, 11-12, 15, and 17-18, and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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6. Applicant's arguments with respect to claims 1-4 and 6-22 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer T. Nguyen whose telephone number is 571-272-7696. The examiner can normally be reached on Mon-Fri: 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard A. Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jennifer Nguyen
5/25/07



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